

GEOTECHNICAL STANDARD DRAWINGS & CELLS LIST

(Revised 5/17/10)

When recommending the *Geotechnical Standard Drawings* listed below, do not attach these drawings to the recommendations. Attach all other recommended drawings including those titled the same as the standard drawings but modified for a specific project. When the use of a *Geotechnical Standard Drawings* is recommended, the Central Office will include the sealed standard drawing with the product. Electronic files of standard drawings are not stored on the server with the project files.

Geotechnical Standard Drawings (See Geotechnical Engineering Unit's website at <http://www.ncdot.org/doh/preconstruct/highway/geotech/formdet/> or the S drive under Shared\Standards\Provisions, Notes & Drawings\.)

Let Date	Drawing Title	Drawing No.	# of Sheets
2/20/07	Standard Temporary Shoring	1801.01	1
2/20/07	Standard Temporary MSE Walls	1801.02	11
7/21/09	Rock Plating Details*	1802.01	1
9/21/10	Standard Cast-In-Place (CIP) Gravity Retaining Wall	453.01	1
9/21/10	Standard Segmental Gravity Retaining Wall	453.02	1
9/21/10	Standard Segmental Gravity Retaining Wall with Freeze-Thaw Durable SRW Units	453.03	1

*(The Rock Plating Details consist of 4 details that are included in the Geotechnical Engineering and Roadway Design Unit's cell libraries. To use the rock plating details, recommend the use of a detail (Rock Plating Detail Nos. 1 through 4) with the stations including left or right of centerline and an ending slope for each location in the Roadway Foundation Design Recommendations. If any 1 or 2 rock plating details are required, Roadway will include the necessary details and notes on their plans. If any 3 or all 4 rock plating details are required, recommend the use of Geotechnical Standard Drawing No. 1802.01 and the Central Office will delete a detail, if necessary, fill in the riprap type and location information (stations and ending slope) and include the sealed standard drawing with the product.)

Geotechnical Standard Cells for design drawings are available from the cell library, "Geotechnical_Design_English.cel". Geotechnical cell libraries are accessible through the geotechnical workspace.

Geotechnical Standard Cells (See Geotechnical Engineering Unit's website at <http://www.ncdot.org/doh/preconstruct/highway/geotech/formdet/> or the S drive under Shared\Standards\Provisions, Notes & Drawings\.)

Date	Cell Name	Cell Description
12/16/08	Border_RDY_DesignDrawing	Roadway border for geotechnical design drawings
12/16/08	Border_RDY_StandardDrawing	Roadway border for geotechnical standard drawings
12/16/08	Border_STR_DesignDrawing	Structure border for geotechnical design drawings
12/16/08	Border_STR_StandardDrawing	Structure border for geotechnical standard drawings
2/16/10	Border_StandardCell	Border for geotechnical standard cells

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(Continued)

Geotechnical Standard Cells (Continued)

Date	Cell Name	Cell Description
9/21/10	Detail_RockPlating	Rock plating details
9/21/10	Wall_Anchored	Anchored wall - typical
9/21/10	Wall_Anchored_Notes_ReinforcedWeb	Anchored wall notes & reinforced web details
9/21/10	Wall_Barrier_MomentSlab_Panels_Facing	Concrete barrier rail with moment slab details for precast panels and concrete facing
9/21/10	Wall_Barrier_MomentSlab_SRWUnits	Concrete barrier rail with moment slab details for SRW Units
9/21/10	Wall_CIPGravity_Standard	Standard CIP gravity wall drawing (no. 453.01)
9/21/10	Wall_MSE_Notes_LevelingPad	MSE wall notes & leveling pad step details
9/21/10	Wall_MSE_Panels_Slope	Non-abutment MSE wall with panels and back slope - typical & coping details
9/21/10	Wall_MSE_Panels_Surcharge_Barrier	Non-abutment MSE wall with panels, surcharge and barrier - typical
9/21/10	Wall_MSE_Panels_Surcharge_GR	Non-abutment MSE wall with panels, surcharge and guardrail - typical & coping details
9/21/10	Wall_MSE_SRWUnits_Slope	Non-critical MSE wall with SRW units and back slope - typical & coping details
9/21/10	Wall_MSE_SRWUnits_Surcharge_Barrier	Non-critical MSE wall with SRW units, surcharge and barrier - typical
9/21/10	Wall_MSE_SRWUnits_Surcharge_GR	Non-critical MSE wall with SRW units, surcharge and guardrail - typical & coping details
9/21/10	Wall_PrecastGravity_Slope	Precast gravity wall with back slope - typical, notes & footing step detail
9/21/10	Wall_PrecastGravity_Surcharge_GR	Precast gravity wall with surcharge and guardrail - typicals, notes & footing step detail
9/21/10	Wall_SegmentalGravity_Slope_GR	Segmental gravity wall with back slope and guardrail - typicals & notes
9/21/10	Wall_SegmentalGravity_Standard	Standard segmental gravity wall drawing (no. 453.02)
9/21/10	Wall_SegmentalGravity_Standard_Freeze-Thaw	Standard segmental gravity wall with freeze-thaw durable SRW units drawing (no. 453.03)
9/21/10	Wall_SoilNail	Soil nail wall - typical & notes
9/21/10	Wall_SoldierPile	Soldier pile wall - typicals & notes